

Abstract of the Disclosure

MEMS Device having an Actuator with Curved Electrodes. According to one embodiment of the present invention, an actuator is provided for moving an actuating device linearly. The actuator includes a substrate having a planar surface and an actuating device movable in a linear direction relative to the substrate. The actuator includes at least one electrode beam attached to the actuating device and having an end attached to the substrate. The electrode beam is flexible between the actuating device and the end of the electrode beam attached to the substrate. Furthermore, the actuator includes at least one electrode attached to the substrate. The electrode has a curved surface aligned in a position adjacent the length of the electrode beam, whereby the actuating device is movable in its substantially linear direction as the electrode beam moves in a curved fashion corresponding substantially to the curved surface of the electrode.

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